

## ABSTRACT OF THE DISCLOSURE

The present invention provides for a method and apparatus for hydrogen detection and dilution. The present invention uses an enclosure within which a variety of components of a fuel cell system are located and a ventilation stream to vent the enclosure which is induced by operation of a compressor that also is operable to supply the oxygen to the fuel cell system. The ventilation stream is directed through an outlet in the enclosure that contains a hydrogen sensor that is operable to both detect the presence of hydrogen and to consume hydrogen within the ventilation stream prior to being exhausted from the enclosure. The ventilation stream, alternatively, can be induced by operation of a fan driven by a motor which operates independently of the operation of the oxidant delivery system.